

# WISCONSIN VIROLOGY LABORATORY INFORMATION NETWORK

## DATA FOR WEEK ENDING: November 22, 2003

Data represent laboratory testing, not physician diagnoses; data are provided by virology laboratories of the listed institutions, collated by Wisconsin State Laboratory of Hygiene.

|   |                         |               |                   |              |                 |
|---|-------------------------|---------------|-------------------|--------------|-----------------|
| Total Number of Viral Specimens Positive / Tested by Specimens Source:<br>(excluding CMV, HSV, VZV, Rota and Adeno 40/41) | Respiratory<br>65 / 261 | CNS<br>2 / 17 | Enteric<br>0 / 18 | Eye<br>0 / 4 | Other<br>1 / 25 |
|---|-------------------------|---------------|-------------------|--------------|-----------------|

| REPORTING<br>LABORATORY<br>& CITY | NUMBER OF VIRAL POSITIVES BY AGENT & (SPECIMEN SOURCE) |   |     |     |               |   |   |   |     |             |       |        |         |        |       |         | NUMBER<br>POSITIVE / (TESTED) |             |
|-----------------------------------|--|---|-----|-----|---------------|---|---|---|-----|-------------|-------|--------|---------|--------|-------|---------|-------------------------------|-------------|
|                                   | Influenza  |   |     | RSV | Parainfluenza |   |   |   |     | Resp<br>Unk | Rhino | Adeno  |         | Entero |       |         | Rota                          | Adeno 40/41 |
|                                   | A  | B | Unk |     | 1             | 2 | 3 | 4 | Unk |             |       | (Resp) | (Other) | (Resp) | (CNS) | (Other) |                               |             |
| Bellin Hsp, Green Bay             | 6  | 0 | 0   | 0   | 0             | 0 | 0 | 0 | 0   | 0           | 0     | 0      | 0       | 0      | 0     | 0       | 0 / 4                         | 0 / 0       |
| St. Vincent Hsp, Green Bay        | 9  | 0 | 0   | 0   | 0             | 0 | 0 | 0 | 0   | 0           | 0     | 0      | 0       | 0      | 1     | 0       | 0 / 6                         | 0 / 0       |
| Gundersen Lutheran, LaCrosse      | 3  | 0 | 0   | 0   | 0             | 0 | 0 | 0 | 0   | 0           | 0     | 0      | 0       | 0      | 0     | 0       | 0 / 1                         | 0 / 0       |
| St. Mary's Hsp Med Ctr, Madison   | 7  | 0 | 0   | 1   | 0             | 0 | 0 | 0 | 0   | 0           | 0     | 1      | 0       | 0      | 0     | 0       | 0 / 1                         | 0 / 0       |
| Wisconsin State Lab, Madison      | 13   | 0 | 0   | 0   | 2             | 0 | 0 | 0 | 0   | 0           | 1     | 1      | 0       | 0      | 1     | 0       | 0 / 2                         | 0 / 0       |
| Marshfield Labs, Marshfield       | 2  | 0 | 0   | 10  | 0             | 0 | 0 | 0 | 0   | 0           | 0     | 0      | 0       | 0      | 0     | 0       | 1 / 8                         | 0 / 0       |
| Childrens Hsp, Milwaukee          | 0  | 0 | 0   | 2   | 0             | 0 | 0 | 0 | 1   | 0           | 0     | 1      | 1       | 0      | 0     | 0       | 0 / 4                         | 0 / 0       |
| Milwaukee Hlth Dept, Milwaukee    | 4  | 0 | 0   | 0   | 0             | 0 | 0 | 0 | 0   | 0           | 0     | 1      | 0       | 0      | 0     | 0       | 0 / 6                         | 0 / 6       |
| United Dynacare, Milwaukee        | 0  | 0 | 0   | 0   | 0             | 0 | 0 | 0 | 0   | 0           | 0     | 0      | 0       | 0      | 0     | 0       | 1 / 1                         | 0 / 0       |
| Medical Science Lab, Milwaukee    | 0  | 0 | 0   | 0   | 0             | 0 | 0 | 0 | 0   | 0           | 0     | 0      | 0       | 0      | 0     | 0       | 0 / 0                         | 0 / 0       |
| TOTAL                             | 44   | 0 | 0   | 13  | 2             | 0 | 0 | 0 | 1   | 0           | 1     | 4      | 1       | 0      | 2     | 0       | 2 / 33                        | 0 / 6       |

\* **NOTE TO VIROLOGY LABORATORIES:** Please include the city or county of influenza positives with your reports until the end of the year.

\* Approximately 25% of respiratory specimens were reported positive this week; 17% for influenza, 5% for RSV, 2% for adenoviruses, 1% for parainfluenza, and less than 1% for rhinoviruses.

\* All of the Wisconsin influenza isolates that have been subtyped this season have been influenza A(H3).

\* The prevalence of influenza in Wisconsin appears to be rising, but is still low, so the positive predictive value of rapid influenza tests remains low.

\* For the week ending November 15, 2003, the CDC reported that influenza activity in the U.S. continued to increase. 39 states reported influenza activity, ranging from sporadic to widespread. The proportion of patient visits to sentinel providers for influenza-like illness (ILI) was 3.3%, above the national baseline.

Approximately 31% of specimens tested by WHO and NREVSS laboratories were positive for influenza. Of the subtyped influenza A viruses that were reported for the week, 10 (3.4%) were influenza A(H1) viruses, 96.6% were influenza A(H3N2). 22% of influenza A(H3N2) viruses characterized by CDC have been similar to the vaccine strain, A/Panama; 78% were similar to the variant strain A/Fujian. It is expected that the current U.S. vaccine will offer some cross-protective immunity against the A/Fujian/411/2002-like viruses and reduce the severity of disease.